

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/17316

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04N7/173 H04N7/16 H04H9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N H04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 15451 A (WU BO ; XU GUOHONG (US); ENREACH TECHNOLOGY INC (US)) 1 March 2001 (2001-03-01)	1-5, 20, 24-28, 35-37, 44-46, 53-56
Y	page 3, line 20 -page 15, line 19; figures 2, 3	6-19, 21-23, 29-34, 38-43, 47-52
	--- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

& document member of the same patent family

Date of the actual completion of the international search

29 October 2002

Date of mailing of the international search report

06/11/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Willems, B

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/17316

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 088 722 A (HERZ FREDERICK ET AL) 11 July 2000 (2000-07-11)	6-19, 21-23, 29-34, 38-43, 47-52
A	column 9, line 29 -column 42, line 63	1-5,20, 24-28, 35-37, 44-46, 53-56
A	----- WO 00 64165 A (ELDERING CHARLES A ;FLICKINGER GREGORY C (US); HAMILTON JEFFREY S) 26 October 2000 (2000-10-26) page 8, line 1 -page 18, line 19	1-56
A	----- US 5 559 549 A (BONNER ALFRED E ET AL) 24 September 1996 (1996-09-24) column 6, line 61 -column 24, line 15	1-56
A	----- HU Q ET AL: "Power conservative multi-attribute queries on data broadcast" DATA ENGINEERING, 2000. PROCEEDINGS. 16TH INTERNATIONAL CONFERENCE ON SAN DIEGO, CA, USA 29 FEB.-3 MARCH 2000, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 29 February 2000 (2000-02-29), pages 157-166, XP010378702 ISBN: 0-7695-0506-6 the whole document -----	1-56

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 02/17316

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0115451	A	01-03-2001	AU 6235500 A	19-03-2001
			WO 0115451 A1	01-03-2001
US 6088722	A	11-07-2000	US 5758257 A	26-05-1998
			AU 703247 B2	25-03-1999
			AU 4410396 A	19-06-1996
			CA 2207868 A1	06-06-1996
			EP 0796538 A2	24-09-1997
			US 6020883 A	01-02-2000
			WO 9617467 A2	06-06-1996
			US 5734720 A	31-03-1998
			US 5754938 A	19-05-1998
			US 5754939 A	19-05-1998
			US 5835087 A	10-11-1998
			US 6029195 A	22-02-2000
			US 6460036 B1	01-10-2002
WO 0064165	A	26-10-2000	AU 4364500 A	02-11-2000
			EP 1172000 A1	16-01-2002
			WO 0064165 A1	26-10-2000
			US 2001032333 A1	18-10-2001
US 5559549	A	24-09-1996	US 6052554 A	18-04-2000
			AT 177277 T	15-03-1999
			AT 199294 T	15-03-2001
			AT 176840 T	15-03-1999
			AT 192005 T	15-05-2000
			AT 190180 T	15-03-2000
			AT 183352 T	15-08-1999
			AT 176841 T	15-03-1999
			AT 219615 T	15-07-2002
			AT 197366 T	15-11-2000
			AT 214534 T	15-03-2002
			AT 221714 T	15-08-2002
			AU 715683 B2	10-02-2000
			AU 4440797 A	29-01-1998
			AU 712157 B2	28-10-1999
			AU 4532597 A	05-02-1998
			AU 693775 B2	09-07-1998
			AU 5732994 A	04-07-1994
			AU 692427 B2	11-06-1998
			AU 5733094 A	04-07-1994
			AU 691479 B2	21-05-1998
			AU 5733194 A	04-07-1994
			AU 692428 B2	11-06-1998
			AU 5733294 A	04-07-1994
			AU 5736394 A	04-07-1994
			AU 5845894 A	22-06-1994
			AU 5869894 A	04-07-1994
			AU 716184 B2	24-02-2000
			AU 6066798 A	04-06-1998
			AU 716182 B2	24-02-2000
			AU 6066898 A	04-06-1998
			BR 9307619 A	15-06-1999
			BR 9307620 A	10-08-1999
			BR 9307621 A	15-06-1999
			BR 9307622 A	15-06-1999
			BR 9307623 A	16-05-2000

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 02/17316

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5559549	A	BR 9307624 A	15-06-1999
		BR 9307625 A	31-08-1999
		CA 2151456 A1	23-06-1994
		CA 2151457 A1	23-06-1994
		CA 2151458 A1	23-06-1994
		CA 2151459 A1	23-06-1994
		CA 2151460 A1	23-06-1994
		CA 2151461 A1	09-06-1994
		CA 2151462 A1	23-06-1994
		CA 2345161 A1	09-06-1994
		CN 1259826 A	12-07-2000
		CN 1259827 A	12-07-2000
		CN 1276682 A	13-12-2000